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OM nucleic - nucleic search, using sw model

Run on: August 13, 2005, 20:15:24 ; Search time 111 Seconds  
(without alignments)  
3184.106 Million cell updates/sec

Title: US-09-446-628-1

Perfect score: 216  
Sequence: 1 gctaacgacatcttaagc.....tgagcatcagaacatc 216

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents NA: \*  
1: /cgn2\_6/prodata/1/ina/5A\_COMB.seq: \*  
2: /cgn2\_6/prodata/1/ina/5B\_COMB.seq: \*  
3: /cgn2\_6/prodata/1/ina/6A\_COMB.seq: \*  
4: /cgn2\_6/prodata/1/ina/6B\_COMB.seq: \*  
5: /cgn2\_6/prodata/1/ina/PCTUS\_COMB.seq: \*  
6: /cgn2\_6/prodata/1/ina/Backfile1.seq: \*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	180.4	83.5	601	4	US-09-949-016-18686, A Sequence 18686, A
C 2	180.4	83.5	601	4	US-09-949-016-111561, A Sequence 111561, A
C 3	180.4	83.5	601	4	US-09-949-016-111709, A Sequence 111709, A
C 4	180.4	83.5	601	4	US-09-949-016-111855, A Sequence 111855, A
C 5	180.4	83.5	601	4	US-09-949-016-112000, A Sequence 112000, A
C 6	180.4	83.5	113876	4	US-09-949-016-14828, A Sequence 14828, A
C 7	180.4	83.5	113876	4	US-09-949-016-14829, A Sequence 14829, A
C 8	180.4	83.5	115508	4	US-09-949-016-11800, A Sequence 11800, A
C 9	180.4	83.5	115508	4	US-09-949-016-14826, A Sequence 14826, A
C 10	180.4	83.5	115508	4	US-09-949-016-14827, A Sequence 14827, A
C 11	62	28.7	601	4	US-09-949-016-18687, A Sequence 18687, A
C 12	62	28.7	601	4	US-09-949-016-111562, A Sequence 111562, A
C 13	62	28.7	601	4	US-09-949-016-111710, A Sequence 111710, A
C 14	62	28.7	601	4	US-09-949-016-111856, A Sequence 111856, A
C 15	62	28.7	601	4	US-09-949-016-112001, A Sequence 112001, A
C 16	47.6	22.0	1096	4	US-09-949-016-3086, A Sequence 3086, A
C 17	47.6	22.0	1096	4	US-09-949-016-3087, A Sequence 3087, A
C 18	47.6	22.0	1543	4	US-09-949-016-58, A Sequence 58, A
C 19	47.6	22.0	1543	4	US-09-949-016-3084, A Sequence 3084, A
C 20	47.6	22.0	1543	4	US-09-949-016-3085, A Sequence 3085, A
C 21	47.6	22.0	1560	5	PCT-US94-09789-1, A Sequence 1, A
C 22	40.2	18.6	409	4	US-09-949-016-16297, A Sequence 16297, A
C 23	35	16.2	421118	4	US-09-949-016-16297, A Sequence 16297, A
C 24	33.4	15.5	24204	4	US-09-949-016-16232, A Sequence 16232, A
C 25	33.2	15.4	22294	4	US-09-949-016-15522, A Sequence 15522, A
C 26	33.2	15.4	76610	4	US-09-949-016-15521, A Sequence 15521, A
C 27	33	15.3	23766	4	US-09-949-016-13569, A Sequence 13569, A

C 28	32.8	15.2	119762	4	US-09-949-016-17313, A Sequence 17313, A
C 29	32.6	15.1	96739	4	US-09-949-016-15606, A Sequence 15606, A
C 30	32.4	15.0	192506	4	US-09-949-016-15630, A Sequence 15630, A
C 31	32.2	14.9	601	4	US-09-949-016-134895, A Sequence 134895, A
C 32	32.2	14.9	9968	4	US-09-949-016-17571, A Sequence 17571, A
C 33	32.2	14.9	343352	4	US-09-949-016-13498, A Sequence 13498, A
C 34	31.6	14.6	53558	4	US-09-949-016-16616, A Sequence 16616, A
C 35	31.4	14.5	92155	4	US-09-949-016-17484, A Sequence 17484, A
C 36	31.2	14.4	94830	4	US-09-949-016-12414, A Sequence 12414, A
C 37	31.2	14.4	94847	4	US-09-949-016-16336, A Sequence 16336, A
C 38	31	14.4	927	4	US-09-949-016-14221, A Sequence 14221, A
C 39	31	14.4	49011	4	US-09-949-016-133969, A Sequence 133969, A
C 40	30.8	14.3	601	4	US-09-949-016-133970, A Sequence 133970, A
C 41	30.8	14.3	601	4	US-09-949-016-133971, A Sequence 133971, A
C 42	30.8	14.3	601	4	US-09-949-016-133972, A Sequence 133972, A
C 43	30.8	14.3	601	4	US-09-949-016-133973, A Sequence 133973, A
C 44	30.8	14.3	601	4	US-09-949-016-133973, A Sequence 133973, A
C 45	30.8	14.3	221958	4	US-09-949-016-12173, A Sequence 12173, A

## ALIGNMENTS

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RESULT 1
US-09-949-016-18686/c
; Sequence 18686, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949, 016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18686
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-18686

Query Match      83.5%; Score 180.4; DB 4; Length 601;
Best Local Similarity 97.7%; Pred. No. 2.3e-50;
Matches 214; Conservative 0; Mismatches 2; Indels 3; Gaps 3;

QY 1 GCTATCAGCAATTGAGCTGCTGAGACTTATGCTTGAATTTGTTTGTAGGCTC 60
    |||
DB 560 GCTATCAGCAATTGAGCTGCTGAGACTTATGCTTGAATTTGTTTGTAGGCTC 501
    |||

QY 61 CAAACCAAGGAGGAGCTGCTGAGCTGCAACAGTAGCTCATTCCTATAT 120
    |||
DB 500 CAAACCAAGGAGGAGCTGCTGAGCTGCAACAGTAGCTCATTCCTATAT 441
    |||

QY 121 -CAAGATGATATTTAAATATCTAGTATGTTGTCGCCAGTA-TCAAGATTCCTATG 178
    |||
DB 440 CCAAGATGATATTTAAATATCTAGTATGTTGTCGCCAGTATCAAGATTCCTATG 381
    |||

QY 179 AAATGTAAACATCTAGGACA-TCTAAGACATATC 216
    |||
DB 380 AAATGTAAACATCTAGGACATCTTCAAGACATATC 342
    |||

RESULT 2
US-09-949-016-111561/c
; Sequence 111561, Application US/09949016
; Patent No. 6812339
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GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 111561  
; LENGTH: 601  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-111561

Query Match 83.5%; Score 180.4; DB 4; Length 601;  
Best Local Similarity 97.7%; Pred. No. 2.3e-50;  
Matches 214; Conservative 0; Mismatches 2; Indels 3; Gaps 3;

QY 1 GCTATCGCAATTTAAGGCTTGAAGACTTATGCTTGAATTTGTTTGGAGGCTC 60  
DB 560 GCTATCGCAATTTAAGGCTTGAAGACTTATGCTTGAATTTGTTTGGAGGCTC 501  
QY 61 CAAAACCAAGAGGAGGAGTGTCATGTCGTGACACAGTAAGCTCCATTGGCTTATAT 120  
DB 500 CAAAACCAAGAGGAGGAGTGTCATGTCGTGACACAGTAAGCTCCATTGGCTTATAT 441  
QY 121 -CAAGATGATATTTAAAGTATCTAGTATGTCGTGACAGTA-TCAGATTCCTATG 178  
DB- 440 CCAAGATGATATTTAAAGTATCTAGTATGTCGTGACAGTA-TCAGATTCCTATG 381  
QY 179 AAATTGTAAACATCACTGAGCA-TCTAAGAACATATC 216  
DB 380 AAATTGTAAACATCACTGAGCA-TCTAAGAACATATC 342

RESULT 3  
US-09-949-016-111709/c  
; Sequence 111709, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 111709  
; LENGTH: 601  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-111709

Query Match 83.5%; Score 180.4; DB 4; Length 601;  
Best Local Similarity 97.7%; Pred. No. 2.3e-50;  
Matches 214; Conservative 0; Mismatches 2; Indels 3; Gaps 3;  
QY 1 GCTATCGCAATTTAAGGCTTGAAGACTTATGCTTGAATTTGTTTGGAGGCTC 60  
DB 560 GCTATCGCAATTTAAGGCTTGAAGACTTATGCTTGAATTTGTTTGGAGGCTC 501

DB 560 GCTATCGCAATTTAAGGCTTGAAGACTTATGCTTGAATTTGTTTGGAGGCTC 501  
QY 61 CAAAACCAAGAGGAGTGTCATGTCGTGACACAGTAAGCTCCATTGGCTTATAT 120  
DB 500 CAAAACCAAGAGGAGTGTCATGTCGTGACACAGTAAGCTCCATTGGCTTATAT 441  
QY 121 -CAAGATGATATTTAAAGTATCTAGTATGTCGTGACAGTA-TCAGATTCCTATG 178  
DB 440 CCAAGATGATATTTAAAGTATCTAGTATGTCGTGACAGTA-TCAGATTCCTATG 381  
QY 179 AAATTGTAAACATCACTGAGCA-TCTAAGAACATATC 216  
DB 380 AAATTGTAAACATCACTGAGCA-TCTAAGAACATATC 342

RESULT 4  
US-09-949-016-111855/c  
; Sequence 111855, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 111855  
; LENGTH: 601  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-111855

Query Match 83.5%; Score 180.4; DB 4; Length 601;  
Best Local Similarity 97.7%; Pred. No. 2.3e-50;  
Matches 214; Conservative 0; Mismatches 2; Indels 3; Gaps 3;

QY 1 GCTATCGCAATTTAAGGCTTGAAGACTTATGCTTGAATTTGTTTGGAGGCTC 60  
DB 560 GCTATCGCAATTTAAGGCTTGAAGACTTATGCTTGAATTTGTTTGGAGGCTC 501  
QY 61 CAAAACCAAGAGGAGTGTCATGTCGTGACACAGTAAGCTCCATTGGCTTATAT 120  
DB 500 CAAAACCAAGAGGAGTGTCATGTCGTGACACAGTAAGCTCCATTGGCTTATAT 441  
QY 121 -CAAGATGATATTTAAAGTATCTAGTATGTCGTGACAGTA-TCAGATTCCTATG 178  
DB 440 CCAAGATGATATTTAAAGTATCTAGTATGTCGTGACAGTA-TCAGATTCCTATG 381  
QY 179 AAATTGTAAACATCACTGAGCA-TCTAAGAACATATC 216  
DB 380 AAATTGTAAACATCACTGAGCA-TCTAAGAACATATC 342

RESULT 5  
US-09-949-016-112000/c  
; Sequence 112000, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755

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? PRIOR FILING DATE: 2000-10-20
? PRIOR APPLICATION NUMBER: 60/237,768
? PRIOR FILING DATE: 2000-10-03
? PRIOR APPLICATION NUMBER: 60/231,498
? PRIOR FILING DATE: 2000-09-08
? NUMBER OF SEQ ID NOS: 207012
? SOFTWARE: FASTSEQ for Windows Version 4.0
? SEQ ID NO 113000
? LENGTH: 601
? TYPE: DNA
? ORGANISM: Human
US-03-949-016-112000

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Query Match	83.5%	Score 180.4;	DB 4;	Length 601;
Best Local Similarity	97.7%;	Pred. No. 2.3e-50;		
Matches 214;	Conservative 0;	Mismatches 2;	Indels 3;	Gaps 3;

QY 1 GCATATCAGCAATTAAAGGTAGCTTGAACATTATGTCTGAAATTTGTTTGAAGGCTC 60

Db 560 GCTATATCAGCAATTTAAAGGTAGCTTGAACATTATGTCTGAAATTTGTTTGAAGGCTC 500

QY 61 CAAAACCAAGAGGAGGATGGTGCATGTGTGCAACAAGTAAAGCTCCATGTGCTTATAT 120

Db 500 CAAAACCAAGAGGAGGATGGTGCATGTGTGCAACAAGTAAAGCTCCATGTGCTTATAT 440

QY 121 -CAAAAGTATATNTAAAGTATCTAGTATTTAGTGTGGCCCAAGTA-TCAAGATTCCTATG 176

Db 440 CCAAAGTGTATTTTAAAGTATCTAGTATTTAGTGTGGCCCAAGTATTCAAAGATTCCTATG 380

QY 179 AAATGTGAAAACATCACTAGAGCA-TCTAAGAACAATATC 216

Db 380 AAATGTGAAAACATCACTAGAGCATTTCTAAGAACAATATC 342

RESULT 6  
 US-09-949-016-14828  
 Sequence 14828, Application US/09949016  
 Patent No. 6812339  
 GENERAL INFORMATION:  
 APPLICANT: VENTER, J. Craig et al.  
 TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
 WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
 FILE REFERENCE: CL001307  
 CURRENT APPLICATION NUMBER: US/09/949, 016  
 CURRENT FILING DATE: 2000-04-14  
 PRIOR APPLICATION NUMBER: 60/241, 755  
 PRIOR FILING DATE: 2000-10-20  
 PRIOR APPLICATION NUMBER: 60/237, 768  
 PRIOR FILING DATE: 2000-10-03  
 PRIOR APPLICATION NUMBER: 60/231, 498  
 PRIOR FILING DATE: 2000-09-08  
 NUMBER OF SEQ ID NOS: 207012  
 SOFTWARE: FastSeq for Windows Version 4.0  
 SEQ ID NO 14828  
 LENGTH: 113876  
 TYPE: DNA  
 ORGANISM: Human  
 US-09-949-016-14828

	Query March	83.5%	Score 180.4	DB 4	Length 113876
	Best Local Similarity	97.7%	Pred. No. 2.1e-49		
	Matches 214	Conservative 0	Mismatches 2	Indels 3	Gaps 3
Qy	1	GCTATATCAGCACTTAAAGGCTAGCTTGAGACTATGCTGTAATTTGTTTGTAGGCTC	60		
Db	9441	GCTATATCAGCACTTAAAGGCTAGCTTGAGACTATGCTGTAATTTGTTTGTAGGCTC	9500		
Qy	61	CAAAACCAAGGAGGGAGTGTGCATGTGTGCAACAAGTAAGCTCCATTGTGCTATAT	120		
Db	9501	CAAAACCAAGGAGGGAGTGTGCATGTGTGCAACAAGTAAGCTCCATTGTGCTATAT	9560		
Qy	121	-CAAAAGATGATATTTAAAGTATCTAGTGATTTAGTGTGGCCAGTA-TCAAAGTTTCTTATG	178		

Db 9561 CCAAGATGATATTTAAGATCTAGAGATTAGTGCTGACCAAGATTCAAGATTCCTATG 9620

Qy 179 AAATTGTAACAATCACTGAGCA -TCTAAGAACATATC 216  
|||||  
9621 AAATTGTAACAATCACTGAGCATTCCTAAGAACATATC 9659

RESULT 7  
US-09-949-016-14829  
; Sequence 14829, Application US/09949016  
Patent No. 6,013,336

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1  TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
2  TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
3  FILE REFERENCE: CL0001307
4  CURRENT APPLICATION NUMBER: US/09/949,016
5  CURRENT FILING DATE: 2000-04-14
6  PRIOR APPLICATION NUMBER: 60/241,755
7  PRIOR FILING DATE: 2000-10-20
8  PRIOR APPLICATION NUMBER: 60/237,768
9  PRIOR FILING DATE: 2000-10-03
10 PRIOR APPLICATION NUMBER: 60/231,498
11 PRIOR FILING DATE: 2000-09-08
12 NUMBER OF SEQ ID NOS: 207012
13 SOFTWARE: FastSeq for Windows Version 4.0
14 SEQ ID NO 14829
15
16 LENGTH: 113876
17
18 TYPE: DNA
19 ORGANISM: Human
20 US-09-949-016-14829

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Query Match	83.5%	Score 180.4	DB 4	Length 113876
Best Local Similarity	97.7%	Pred. No. 2,1e-49		
Matches 214	Conservative 0	Mismatches 2	Indels 3	Gaps 3

  

QY	1	GCTAATAGCAATTAAAGGCTAGCTTGAGACTTAATGCTTGAATTTGTTTGTAGAGCTC	60
Db	9441	GCTAATAGCAATTAAAGGCTAGCTTGAGACTTAATGCTTGAATTTGTTTGTAGAGCTC	9500
QY	61	CAAAACCAAGAGGAGGTGTGTCATGTGGTGACAACAGTAAGCTCCATTGTGCTTATAT	120
Db	9501	CAAAACCAAGAGGAGGTGTGTCATGTGTGGACAACAGTAAGCTCCATTGTGCTTATAT	9560
QY	121	-CAAGATGATATNTAAAGTATCTAGTAGATTAGTGTGGCCAGTA-TCAGATTCTTATG	178
Db	9561	CCAAGATGATATNTAAAGTATCTAGTAGATTAGTGTGGCCAGTATTCAGATTCTTATG	9620
QY	179	AAATTGTAAACATCACTGAGCA-TCCTAAGACATATTC	216
Db	9621	AAATTGTAAACATCACTGAGCAATTCCTAAGACATATTC	9659

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, RESULT 8
, US-09-949-016-11800
, Sequence 11800, Application US/09949016
, Patent No. 6812339
, GENERAL INFORMATION:
, APPLICANT: VENTER, J. Craig et al.
, TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
, WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
, FILE REFERENCE: CL001107
, CURRENT APPLICATION NUMBER: US/09/949,016
, PRIOR FILING DATE: 2000-04-14
, PRIOR APPLICATION NUMBER: 60/241,755
, PRIOR FILING DATE: 2000-10-20
, PRIOR APPLICATION NUMBER: 60/237,768
, PRIOR FILING DATE: 2000-10-03
, PRIOR APPLICATION NUMBER: 60/231,498
, PRIOR FILING DATE: 2000-09-08
, NUMBER OF SEQ ID NOS: 207012
, SOFTWARE: fastseq for Windows Version 4.0
, SEQ ID NO 11800

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LENGTH: 115508  
TYPE: DNA  
ORGANISM: Human  
US-09-949-016-11800

Query Match 83.5%; Score 180.4; DB 4; Length 115508;  
Best Local Similarity 97.7%; Pred. No. 2.2e-49;  
Matches 214; Conservative 0; Mismatches 2; Indels 3; Gaps 3;

QY 1 GCTAATCAGCAATTTAAGGCTTGAAGACTTATGCTTGAATTTGTTTGTAGGCTC 60  
DB 10743 GCTAATCAGCAATTTAAGGCTTGAAGACTTATGCTTGAATTTGTTTGTAGGCTC 10802  
QY 61 CAAAACCAAGGAGGAGTGCTGATGCTGTCGCAACAGTAAGCTCCATTGCTTATAT 120  
DB 10803 CAAAACCAAGGAGGAGTGCTGATGCTGTCGCAACAGTAAGCTCCATTGCTTATAT 10862  
QY 121 -CAAGATGATATNTAAATCTAGTATGTTGTCGCCAGTA-TCAGATTTCTTATG 178  
DB 10863 CCAAGATGATATNTAAATCTAGTATGTTGTCGCCAGTA-TCAGATTTCTTATG 10922  
QY 179 AAATGTAAACATCACTAGCA-TCAGAACATATC 216  
DB 10923 AAATGTAAACATCACTAGCA-TCAGAACATATC 10961

RESULT 9  
US-09-949-016-14826

Sequence 14826, Application US/09949016  
Patent No. 6812339  
GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
FILE REFERENCE: CLO01307  
CURRENT APPLICATION NUMBER: US/09/949,016  
CURRENT FILING DATE: 2000-04-14  
PRIOR APPLICATION NUMBER: 60/241,755  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/237,768  
PRIOR FILING DATE: 2000-10-03  
PRIOR APPLICATION NUMBER: 60/231,498  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 207012  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 14826  
LENGTH: 115508  
TYPE: DNA  
ORGANISM: Human  
US-09-949-016-14826

Query Match 83.5%; Score 180.4; DB 4; Length 115508;  
Best Local Similarity 97.7%; Pred. No. 2.2e-49;  
Matches 214; Conservative 0; Mismatches 2; Indels 3; Gaps 3;

QY 1 GCTAATCAGCAATTTAAGGCTTGAAGACTTATGCTTGAATTTGTTTGTAGGCTC 60  
DB 10743 GCTAATCAGCAATTTAAGGCTTGAAGACTTATGCTTGAATTTGTTTGTAGGCTC 10802  
QY 61 CAAAACCAAGGAGGAGTGCTGATGCTGTCGCAACAGTAAGCTCCATTGCTTATAT 120  
DB 10803 CAAAACCAAGGAGGAGTGCTGATGCTGTCGCAACAGTAAGCTCCATTGCTTATAT 10862  
QY 121 -CAAGATGATATNTAAATCTAGTATGTTGTCGCCAGTA-TCAGATTTCTTATG 178  
DB 10863 CCAAGATGATATNTAAATCTAGTATGTTGTCGCCAGTA-TCAGATTTCTTATG 10922  
QY 179 AAATGTAAACATCACTAGCA-TCAGAACATATC 216  
DB 10923 AAATGTAAACATCACTAGCA-TCAGAACATATC 10961

RESULT 10

US-09-949-016-14827  
Sequence 14827, Application US/09949016  
Patent No. 6812339  
GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
FILE REFERENCE: CLO01307  
CURRENT APPLICATION NUMBER: US/09/949,016  
CURRENT FILING DATE: 2000-04-14  
PRIOR APPLICATION NUMBER: 60/241,755  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/237,768  
PRIOR FILING DATE: 2000-10-03  
PRIOR APPLICATION NUMBER: 60/231,498  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 207012  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 14827  
LENGTH: 115508  
TYPE: DNA  
ORGANISM: Human  
US-09-949-016-14827

Query Match 83.5%; Score 180.4; DB 4; Length 115508;  
Best Local Similarity 97.7%; Pred. No. 2.2e-49;  
Matches 214; Conservative 0; Mismatches 2; Indels 3; Gaps 3;

QY 1 GCTAATCAGCAATTTAAGGCTTGAAGACTTATGCTTGAATTTGTTTGTAGGCTC 60  
DB 10743 GCTAATCAGCAATTTAAGGCTTGAAGACTTATGCTTGAATTTGTTTGTAGGCTC 10802  
QY 61 CAAAACCAAGGAGGAGTGCTGATGCTGTCGCAACAGTAAGCTCCATTGCTTATAT 120  
DB 10803 CAAAACCAAGGAGGAGTGCTGATGCTGTCGCAACAGTAAGCTCCATTGCTTATAT 10862  
QY 121 -CAAGATGATATNTAAATCTAGTATGTTGTCGCCAGTA-TCAGATTTCTTATG 178  
DB 10863 CCAAGATGATATNTAAATCTAGTATGTTGTCGCCAGTA-TCAGATTTCTTATG 10922  
QY 179 AAATGTAAACATCACTAGCA-TCAGAACATATC 216  
DB 10923 AAATGTAAACATCACTAGCA-TCAGAACATATC 10961

RESULT 11  
US-09-949-016-18687/C

Sequence 18687, Application US/09949016  
Patent No. 6812339  
GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
FILE REFERENCE: CLO01307  
CURRENT APPLICATION NUMBER: US/09/949,016  
CURRENT FILING DATE: 2000-04-14  
PRIOR APPLICATION NUMBER: 60/241,755  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/237,768  
PRIOR FILING DATE: 2000-10-03  
PRIOR APPLICATION NUMBER: 60/231,498  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 207012  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 18687  
LENGTH: 601  
TYPE: DNA  
ORGANISM: Human  
US-09-949-016-18687

Query Match 28.7%; Score 62; DB 4; Length 601;  
Best Local Similarity 96.6%; Pred. No. 9e-11;  
Matches 84; Conservative 0; Mismatches 1; Indels 2; Gaps 2;

Qy 132 TTTTAAAGTATCTGATGATTTAGTGTGCGCCAGTA-TCAAGATTCCATATAAAATTGTAAC 190  
Db 601 TTTTAAAGTATCTGATGATTTAGTGTGCGCCAGATTTCAGATTCCATATAAAATTGTAAC 542  
Qy 191 AATCAGTCGAGCA-TCTTAAAGAACTATC 216  
Db 541 AATCAGTCGAGCAATTCTTAAAGAACTATC 515

RESULT 12  
US-09-949-016-11562/c  
; Sequence 11562, Application US/09949016  
; Patent No. 6813718

```

1  APPLICANT: IVENTER, J. Craig et al.
2  TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
3  TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
4  FILE REFERENCE: C1001307
5  CURRENT APPLICATION NUMBER: US/09/949,016
6  CURRENT FILING DATE: 2000-04-14
7  PRIOR APPLICATION NUMBER: 60/241,755
8  PRIOR FILING DATE: 2000-10-20
9  PRIOR APPLICATION NUMBER: 60/237,768
10 PRIOR FILING DATE: 2000-10-03
11 PRIOR APPLICATION NUMBER: 60/231,498
12 PRIOR FILING DATE: 2000-09-08
13 NUMBER OF SEQ ID NOS: 207012
14 SOFTWARE: FASTSEQ for Windows Version 4.0
15 SEQ ID NO 11562
16 LENGTH: 601
17 TYPE: DNA
18 ORGANISM: Human
19 US-09-949-016-111562

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	Query Match	28.7%	Score 62	DB 4	Length 601
	Best Local Similarity	96.6%	Pred. No. 9e-11		
Matches	84	Conservative	0	Mismatches	1
				Indels	2
				Gaps	2
OY	132	TNTAAAGATATCTAGAGATTAGTGTGGCCAGCA-TCAAGATTCCTATGAAATTTGTAAC	190		
Db	601	TTTAAGATATCTAGAGATTAGTGTGGCCAGCAATTCAGATTCCTATGAAATTTGTAAC	542		
OY	191	AATCACTGAGCA-TCTAAGAACATATC	216		
Db	541	AATCACTGAGCATTTCTAAGAACATATTC	515		

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RESULT 13
US-09-949-016-111710/c
: Sequence 111710, Application US/09949016
: Patent No. 6812339
: GENERAL INFORMATION:
: APPLICANT: VENTER, J. Craig et al.
: TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
: TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
: FILE REFERENCE: C1001307
: CURRENT APPLICATION NUMBER: US/09/949, 016
: CURRENT FILING DATE: 2000-04-14
: PRIOR APPLICATION NUMBER: 60/241, 755
: PRIOR FILING DATE: 2000-10-20
: PRIOR APPLICATION NUMBER: 60/237, 768
: PRIOR FILING DATE: 2000-10-03
: PRIOR APPLICATION NUMBER: 60/231, 498
: PRIOR FILING DATE: 2000-09-08
: NUMBER OF SEQ ID NOS: 207012
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 111710
: LENGTH: 601
: TYPE: DNA
: ORGANISM: Human
US-09-949-016-111710

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Query Match	28.7%	Score 62;	DB 4;	Length 601;
Best Local Similarity	96.6%	Pred. No. 9e-11;		
Matches 84;	Conservative 0;	Mismatches 1;	Indels 2;	Gaps 2;

QY	132	TNTAAAGTATCTCTAGTATGTTAGTGTGGCCCAAGTA-TCAGATTCCTAGAGAAATTTGTAAGAC	190
Db	601	TTTAAAGTATCTAGTATGTTAGTGTGGCCCAAGTATTCAGATTCCTATGAAATTTGTAAGAC	542
QY	191	AATCAGCTGAGCA-TCTTAAGAACATATC	216
Db	541	AATCAGCTGAGCATTTCTAAGAACATATC	515

RESULT 14  
 US-09-949-016-111856/c  
 Sequence 111856, Application US/09949016  
 Patent No. 6812339  
 GENERAL INFORMATION:  
 APPLICANT: VENTER, J. Craig et al.  
 TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
 WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
 FILE REFERENCE: CL001307  
 CURRENT APPLICATION NUMBER: US/09/949.016  
 PRIOR FILING DATE: 2000-04-14  
 PRIOR APPLICATION NUMBER: 60/241,755  
 PRIOR FILING DATE: 2000-10-20  
 PRIOR APPLICATION NUMBER: 60/237,768  
 PRIOR FILING DATE: 2000-10-03  
 PRIOR APPLICATION NUMBER: 60/231,458  
 PRIOR FILING DATE: 2000-09-08  
 NUMBER OF SEQ ID NOS: 207012  
 SOFTWARE: FastSeq for Windows Version 4.0  
 SEQ ID NO 111856

!	ORGANISM:	Human
US-09-949-016-11856		
Query Match	28.7%;	Score 62;
Best Local Similarity	96.6%;	Pred. No. 9e-11;
Matches 84; Conservative	0;	Mismatches 1; Indels 2; Gaps 2
QY	132	TNTAAAGTATCTAGTGATTAGTGTGGCCCACTA-TCAAGATTCCATGAAAATTGTAAC 190
Dd	601	TTTAAAGATCTAGTAGATTAGTGTGGCCCACTATTCAAAGATTCCATGATAAATTGTAAC 542
QY	191	AATCAGTGAACA-TCTAAGAACAATATC 216
Dd	541	AATCAGTGAACATTTCTAAGAACAATATC 515

```

1      RESULT 15
2      US-09-949-016-112001/C
3      Sequence 112001, Application US/09949016
4      Patent No. 6812339
5      GENERAL INFORMATION:
6      APPLICANT: VENTER, J. Craig et al.
7      TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
8      TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
9      FILE REFERENCE: CU001307
10     CURRENT APPLICATION NUMBER: US/09/949.016
11     CURRENT FILING DATE: 2000-04-14
12     PRIOR APPLICATION NUMBER: 60/241,755
13     PRIOR FILING DATE: 2000-10-20
14     PRIOR APPLICATION NUMBER: 60/237,768
15     PRIOR FILING DATE: 2000-10-03
16     PRIOR APPLICATION NUMBER: 60/231,498
17     PRIOR FILING DATE: 2000-09-08
18     NUMBER OF SEQ ID NOS: 207012
19     SOFTWARE: FastSeq for Windows Version 4.0
20     SEQ ID NO 112001
21     LENGTH: 601
22     TYPE: DNA

```

; ORGANISM: Human  
US-09-949-016-112001

Query Match 28.7%; Score 62; DB 4; Length 601;  
Best Local Similarity 96.6%; Pred. No. 98-11;  
Matches 84; Conservative 0; Mismatches 1; Indels 2; Gaps 2;

Qy	132	TTTAAAGTATCTAGTGAATTAGTGTGGCCCGAGTA-TCAAGATTCTATGAAATTGTAAAC	190
Db	601	TTTAAAGTATCTAGTGAATTAGTGTGGCCCGAGTATCAAGATTCTATGAAATTGTAAAC	542
Qy	191	AATCACTGAGCA-TCTAAGACATATC	216
Db	541	AATCACTGAGCATCTTAAGACATATC	515

Search completed: August 13, 2005, 21:57:00  
Job time : 114 secs